

TECHNICAL DATA SHEET

POLYBOUND® DISPERSIONS

PolyBound® is Hexpol's Specialty Products division answer to the problems associated with handling powdered rubber chemicals.

PolyBound[®] is a complete product line of polymer bound powders. Our standard line is composed of single component products. Customer specified, multi-component blends are available as custom products.

PolyBound[®] products are high activity dispersions which use a proprietary, widely compatible, saturated polymer binder system. The final product form is similar in appearance to finely ground, powdered rubber. Complete encapsulation of the chemical powder is achieved and the powder surface is fully wetted. Thus, PolyBound[®] products are dust-free and incorporate very rapidly during mixing operations.

The advantages of PolyBound dispersions are numerous. Environmental improvements include the elimination of airborne dust, a common source of health, housekeeping and plant effluent problems. Cost savings may be achieved by reduced product loss due to spills, dust collector losses and packaging residuals. Mixing cost reduction may be achieved due to the rapid incorporation of the "pre-wet", dispersed powder(s). PolyBound[®] products of multi-component powders should lead to improved process and product consistency. PolyBound[®] blends are produced on a large scale. With uniform blends, the number of weighings in an operation are reduced and these weighings are of larger quantities than the individual components.

A wide variety of essential accelerators, activators, antioxidants, blowing agents, fire retardants, retarders, vulcanizing agents and other rubber additives are available in this form.

Attached is a representative material listing and this is just a sampling of what is available. We also welcome the development of custom formulations.

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PERFORMANCE ADDITIVES

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ASTM D 3853 Abbreviation	Product:	Activity	Specific Gravity	Category
Sb2O3	POLYBOUND® 313 ANTIMONY OXIDE H-85	85	3.21	Flame Retardant
ADC	POLYBOUND 352 AZ-120-80	80	1.48	Blowing Agents
ADC	POLYBOUND 354 AZ-150-80	80	1.48	Blowing Agents
ADC	POLYBOUND 417 AZ-5100-80	80	1.48	Blowing Agents
ADC	POLYBOUND® 388 AZ-180 -80	80	1.43	Blowing Agents
ADC	POLYBOUND 353 AZ-130-80	80	1.48	Blowing Agents
ADC	POLYBOUND 355 AZ-199-80	80	1.48	Blowing Agents
ATH	POLYBOUND 378 ATH-90	90	2.58	Flame Retardant
CaO	POLYBOUND 359 CALCIUM OXIDE-80	80	2.32	Desiccant
CaO	POLYBOUND 367 CALCIUM OXIDE-85	85	2.48	Desiccant
CBS	POLYBOUND® 306 CBS-80 GREY	80	1.21	Accelerator
CdDMC	POLYBOUND® 342 CDMC-80	80	1.53	Accelerator
CdDMC	POLYBOUND 343 CDMC-85	85	1.60	Accelerator
CTP (PVI)	POLYBOUND® 344 CTP-80 BLUE	80	1.23	Retarder
DETU	POLYBOUND® 381 DETU-80	80	1.09	Accelerator
DOTG	POLYBOUND® 330 DOTG-80 BROWN	80	1.08	Accelerator
DPG	POLYBOUND® 308 DPG-80 VIOLET	80	1.14	Accelerator
DPTT	POLYBOUND 345 DPTT-70	70	1.43	Accelerator
DPTT	POLYBOUND 326 DPTT-75	75	1.33	Accelerator
DPTT	POLYBOUND® 320 DPTT-80 ORANGE	80	1.36	Accelerator
DPTU	POLYBOUND® 389 DPTU-80 BLUE	80	1.25	Accelerator
DTDM	POLYBOUND 329 DTDM-75	75	1.19	Vulcanizing Agent
DTDM	POLYBOUND 323 DTDM-80	80	1.28	Vulcanizing Agent
ЕСНО	POLYBOUND 364 ECHO MPS-80	80	1.94	Vulcanizing Agent
ЕСНО	POLYBOUND 363 ECHO A-80	80	1.34	Vulcanizing Agent

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HMT (HEXA)	POLYBOUND® 309 HMT-80	80	1.24	Miscellaneous
MBDS	POLYBOUND 325 MBSS-75	75	1.33	Accelerator
MBDS	POLYBOUND 318 MBSS-80	80	1.38	Accelerator
MBS	POLYBOUND® 382 OBTS-80	80	1.28	Accelerator
MBT	POLYBOUND 346 MBT-75	75	1.40	Accelerator
MBT	POLYBOUND 420 MBT-80	80	1.35	Accelerator
MBT	POLYBOUND 300 MBT-80	80	1.35	Accelerator
IVID I	BROWN		1.33	ricciciator
MBTS	POLYBOUND 347 MBTS-75	75	1.42	Accelerator
MBTS	POLYBOUND 437 MBTS-80	80	1.35	Accelerator
MBTS	POLYBOUND 663 MBTS-80	80	1.35	Accelerator
MBTS	POLYBOUND® 301 MBTS-80	80	1.35	Accelerator
NATURE .	BLACK	0.0	1.20	
MET	POLYBOUND 334 MET-80	80	1.29	Accelerator
MET	POLYBOUND 333 MET-85	85	1.28	Accelerator
MgO	POLYBOUND® 463 MAG	70	1.83	Inorganic
	OXIDE 70			Activators &
				Stabilizers
MgO	POLYBOUND 357 MgO DS-2-80	80	2.13	Inorganic
				Activators &
				Stabilizers
mPBM	POLYBOUND 374 HVA-2-80	80	1.33	Vulcanizing Agent
NiDBC	POLYBOUND® 310 NBC-90	90	1.18	Antidegradant
Other	POLYBOUND 356 PE-200-80	79	1.30	Miscellaneous
Resin	POLYBOUND 362 RESIN-80	80	1.16	Miscellaneous
Resin	POLYBOUND 609 DUREZ-80	80	1.16	Miscellaneous
SULFUR	POLYBOUND 395 SULFUR XR 75	75	1.56	Vulcanizing Agent
SULFUR	POLYBOUND® 341 SULFUR-	80	1.73	Vulcanizing Agent
SOLITOR	80	80	1.73	Vulcanizing Agent
SULFUR	POLYBOUND 351 FINE	85	1.77	Vulcanizing Agent
	SULFUR-85			
SULFUR	POLYBOUND® 312 SULFUR-	85	1.79	Vulcanizing Agent
	85			
SULFUR	POLYBOUND® 604	65	1.45	Vulcanizing Agent
(INSOLUBLE)	INSOLUBLE SULFUR-65			
SULFUR	POLYBOUND 317 INSOLUBLE	70	1.43	Vulcanizing Agent
(INSOLUBLE)	SULFUR-70			
SULFUR	POLYBOUND® 316	70	1.44	Vulcanizing Agent

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(INSOLUBLE)	INSOLUBLE SULFUR HS-70			
TBBS	POLYBOUND® 307 TBBS-80	80	1.72	Accelerator
TBSI	POLYBOUND 375 TBSI-80	80	1.27	Accelerator
TeDEC	POLYBOUND® 392 TDEC-75	75	1.28	Accelerator
TeDEC	POLYBOUND® 303 TDEC-80	80	1.29	Accelerator
TETD	POLYBOUND® 373 TETD-80	80	1.23	Accelerator
TiO2	POLYBOUND 667 TITANIUM	80	2.51	Miscellaneous
	DIOXIDE-80			
TMTD	POLYBOUND® 304 TMTD-80	80	1.31	Accelerator
TMTM	POLYBOUND® 305 TMTM-80	80	1.30	Accelerator
UREA	POLYBOUND® 466 UREA-75	75	1.25	Blowing Agents
UREA	POLYBOUND 311 UREA-80	80	1.23	Blowing Agents
ZB	POLYBOUND 377 ZINC	90	2.29	Flame Retardant
	BORATE-90			
ZBDC	POLYBOUND® 393 ZDBC-75	75	1.18	Accelerator
ZBDC	POLYBOUND® 321 ZDBC-80	80	1.18	Accelerator
	PURPLE			
ZBDC	POLYBOUND® 327 ZDBC-85	85	1.19	Accelerator
ZDBeC	POLYBOUND® 376 ZBEC-80	80	1.31	Accelerator
ZEDC	POLYBOUND® 322 ZDEC-80	80	1.04	Accelerator
ZEDC	POLYBOUND 328 ZDEC-85	85	1.04	Accelerator
ZMBT	POLYBOUND® 368 ZMBT-80	80	1.46	Accelerator
	BROWN			
ZMDC	POLYBOUND® 302 ZDMC-80	80	1.42	Accelerator
	PINK			
ZMTI	POLYBOUND® 423	80	1.23	Accelerator
	CUREBLEND			
ZMTI	POLYBOUND 358 ZMTI-80	80	1.48	Antidegradant
ZnO	POLYBOUND® 498 ZINC	85	3.25	Inorganic
	OXIDE-85			Activators &
				Stabilizers
ZnO	POLYBOUND 324 ZINC	80	3.06	Inorganic
	OXIDE-80			Activators &
				Stabilizers
ZnO	POLYBOUND 350 HAS ZINC	85	3.56	Inorganic
	OXIDE-85			Activators &
				Stabilizers

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