



NEXPRENE 9575A

DESCRIPTION:

NEXPRENE® 9575A thermoplastic vulcanizate is a fully weatherable crosslinked, EPDM/PP compound designed to replace thermoset elastomers, such as EPDM or polychloroprene, and traditional thermoplastic TPVs. NEXPRENE® 9575A provides excellent chemical resistance and physical properties. This product has 40% lower viscosity at 1000 1/s shear rate compared to NexPrene 1075A and 9075A; allowing for thin wall and difficult molding applications. NEXPRENE® 9575A is fully recyclable and can be processed using conventional thermoplastic equipment.

APPLICATIONS:

Suitable for applications requiring flexibility in the following markets: automotive, appliance, business machines, construction, consumer products, electrical & electronics, fluid delivery, hardware, and medical devices.

PROPERTY	TYPICAL VALUE	UNITS	TEST METHOD
PHYSICAL			
Hardness:			
Injection Molded, 5 sec	75	Shore A	ASTM D-2240
Injection Molded, 10 sec	73		ISO 868
Injection Molded, 15 sec	72		
Specific Gravity 23°C	0.93		ASTM D-792 ISO 1183
Compression Set			
22 hr @ 70°C	38	%	ASTM D-395 ISO 815
70 hr @ 125°C	50		ASTM D-395 ISSO 815
Brittle Point	-70	°C	ASTM D-746 ISO 812
Ozone Resistance 500 hr, 100 pphm O ₃ conc.	Good		ASTM D-1149
MECHANICAL			
Tensile Strength 23°C, 500 mm/min	7.2	MPa	ASTM D-412 ISO 527
Tensile Modulus @ 100% 23°C, 500 mm/min	3.6	MPa	ASTM D-412 ISO 527
Ultimate Elongation 23°C, 500 mm/min	750	%	ASTM D-412 ISO 527
Tear Strength 23°C, 500 mm/min	40	kN/m	ASTM D-624 (Die C) ISO 34 (Die C)
AMMS			SEP Test Method (fan gate, 6" w X 4" h X 0.125" thick plaque, 85 °F mold temp.)
Parallel	1.2	%	
Transversal	1.6		

10/25/04

Solvay
Engineered Polymers
1200 Harmon Road
Auburn Hills, MI 48326
Phone: (248) 391-9500
Fax: (248) 391-9501

RESPOND™ is a trademark of Solvay Engineered Polymers. NexPrene® is a trademark of Thermoplastic Rubber Systems, Inc., and is distributed under a limited-exclusivity agreement by Solvay Engineered Polymers. To our actual knowledge, the information contained herein is accurate as of the date hereof. However, neither Solvay Engineered Polymers, nor Thermoplastic Rubber Systems, Inc., nor any affiliate of either company makes any warranty, express or implied, nor accepts any liability in connection with this information or its use. This information is for use by technically skilled persons at their own discretion and risk, and does not relate to the use of any product in combination with any other substance or in any process. This is not a license under any patent or other proprietary right. The user alone must finally determine suitability of any information or material for any contemplated use, the manner of use, and whether any patents are infringed. The above information gives typical properties only and is not to be used for specification purposes.