

API Megol AM DP2392/40 SEBS Adhesion Modified Overmolding for Polar Polymers

Category : Polymer , Thermoplastic , Elastomer, TPE , Styrenic TPE

Material Notes:

Over-molding allows for the creation of composite finished products in a single phase, removing the need for successive gluing or mechanical fixing steps. This also reduces environmental impact as there are no VOC emissions from adhesives and, as the components are not made from a range of incompatible materials, they are more easily recycled at the end of their useful life. The over-molding process can be used in highly technical applications such as components for the automotive industry, shells and casings for power tools, parts for domestic appliances, and seals which can be molded directly onto the frame. Information provided by A.P.I. SpA

Order this product through the following link:

http://www.lookpolymers.com/polymer_API-Megol-AM-DP239240-SEBS-Adhesion-Modified-Overmolding-for-Polar-Polymers.php

Physical Properties	Metric	English	Comments
Density	0.970 g/cc	0.0350 lb/in ³	Median; ASTM D 792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40 @Time 15.0 sec	40 @Time 0.00417 hour	Median; ASTM D 2240
Tensile Strength	4.80 MPa	696 psi	ASTM D 638
Elongation at Break	580 %	580 %	ASTM D 638
100% Modulus	0.00180 GPa	0.261 ksi	ASTM D 638
300% Modulus	0.00230 GPa	0.334 ksi	ASTM D 638
Tear Strength	18.0 kN/m	103 pli	ASTM D 624
Compression Set	28 % @Temperature 23.0 °C, Time 259000 sec	28 % @Temperature 73.4 °F, Time 72.0 hour	ASTM D 395
	70 % @Temperature 72.0 °C, Time 86400 sec	70 % @Temperature 162 °F, Time 24.0 hour	ASTM D 395
	85 % @Temperature 100 °C, Time 86400 sec	85 % @Temperature 212 °F, Time 24.0 hour	ASTM D 395

Descriptive Properties	Value	Comments
Compatibility	ABS	

Descriptive Properties	Value	Comments
	PA12	
	PC	
	PET	
	PMMA	
	PVC	
	SAN	
	TPU	
Food contact	On Request	
Hygroscopicity	Slightly	
Main Features	Very Soft	
Ozone Aging Resistance	Excellent	72h, 40°C, 200 ppcm, Tension = 20%
Processing	Injection Molding	
Weathering	Good	

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