

API Megol AM DP2395/85 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-DP239585-SEBS-Adhesion-Modified-Overmolding-for-Polar-Polymers.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D 792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	ASTM D 2240
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength	10.5 MPa	1520 psi	ASTM D 638
Elongation at Break	600 %	600 %	ASTM D 638
100% Modulus	0.00500 GPa	0.725 ksi	ASTM D 638
300% Modulus	0.00700 GPa	1.02 ksi	ASTM D 638
Tear Strength	55.0 kN/m	314 pli	ASTM D 624
Compression Set	25 %	25 %	ASTM D 395
	@Temperature 23.0 °C, Time 259000 sec	@Temperature 73.4 °F, Time 72.0 hour	
	57 %	57 %	ASTM D 395
	@Temperature 70.0 °C, Time 86400 sec	@Temperature 158 °F, Time 24.0 hour	
	65 %	65 %	ASTM D 395
	@Temperature 100 °C, Time 86400 sec	@Temperature 212 °F, Time 24.0 hour	

Descriptive Properties	Value	Comments
Compatibility	ABS	

Descriptive Properties	Value	Comments
	PA12	
	PC	
	PET	
	PMMA	
	PVC	
	SAN	
	TPU	
Food contact	No	
Hygroscopicity	Slightly	
Main Features	High Temperature	
Ozone Aging Resistance	Excellent	72h, 40°C, 200 ppcm, Tension = 20%
Processing	Injection Molding	
Weathering	Good	

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