

API Megol AM SV/P 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-SVP-SEBS-Adhesion-Modified-Overmolding-for-Polar-Polymers.php

Physical Properties	Metric	English	Comments
Density	1.02 - 1.05 g/cc	0.0368 - 0.0379 lb/in ³	ASTM D 792
	1.05 g/cc	0.0379 lb/in ³	Median; ASTM D 792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50 - 80	50 - 80	Range; ASTM D 2240
	@Time 15.0 sec	@Time 0.00417 hour	
	65	65	Median; ASTM D 2240
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength	11.6 - 13.3 MPa	1680 - 1930 psi	ASTM D 638
Elongation at Break	450 - 550 %	450 - 550 %	ASTM D 638
100% Modulus	0.00180 - 0.00450 GPa	0.261 - 0.653 ksi	ASTM D 638
300% Modulus	0.00380 - 0.00920 GPa	0.551 - 1.33 ksi	ASTM D 638
Tear Strength	31.0 - 48.0 kN/m	177 - 274 pli	ASTM D 624

Descriptive Properties	Value	Comments
Compatibility	ABS	
	ASA	
	PC	
	PET	
	PMMA	
	PVC	

Descriptive Properties	Value	Comments
	TPU	
Food contact	On Request	
Hygroscopicity	Slightly	
Main Features	Easy Processability	
Ozone Aging Resistance	Excellent	72h, 40°C, 200 ppcm, Tension = 20%
Processing	Injection Molding	
Weathering	Good	

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