

API Megol AM DP2154 SEBS Adhesion Modified Overmolding for PA

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-DP2154-SEBS-Adhesion-Modified-Overmolding-for-PA.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	ASTM D 792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40 - 60	40 - 60	ASTM D 2240
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength	2.10 - 4.50 MPa	305 - 653 psi	ASTM D 638
Elongation at Break	400 - 650 %	400 - 650 %	ASTM D 638
100% Modulus	0.000800 - 0.00210 GPa	0.116 - 0.305 ksi	ASTM D 638
300% Modulus	0.00180 - 0.00390 GPa	0.261 - 0.566 ksi	ASTM D 638
Tear Strength	13.0 - 30.0 kN/m	74.2 - 171 pli	ASTM D 624
Compression Set	25 - 40 %	25 - 40 %	ASTM D 395
	@Temperature 23.0 °C, Time 259000 sec	@Temperature 73.4 °F, Time 72.0 hour	
	60 - 70 %	60 - 70 %	ASTM D 395
	@Temperature 70.0 °C, Time 86400 sec	@Temperature 158 °F, Time 24.0 hour	
	70 - 80 %	70 - 80 %	ASTM D 395
	@Temperature 100 °C, Time 86400 sec	@Temperature 212 °F, Time 24.0 hour	

Descriptive Properties	Value	Comments
Compatibility	PA6	With or Without Glass Fiber

Descriptive Properties	PA66 Value	With or Without Glass Fiber Comments
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	Excellent	

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