

## API Megol AM DP1741 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-DP1741-SEBS-Adhesion-Modified-Overmolding-for-PA.php](http://www.lookpolymers.com/polymer_API-Megol-AM-DP1741-SEBS-Adhesion-Modified-Overmolding-for-PA.php)

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in <sup>3</sup>	ASTM D 792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	35 - 82	35 - 82	ASTM D 2240
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength	2.90 - 7.00 MPa	421 - 1020 psi	ASTM D 638
Elongation at Break	320 - 650 %	320 - 650 %	ASTM D 638
100% Modulus	0.000800 - 0.00450 GPa	0.116 - 0.653 ksi	ASTM D 638
300% Modulus	0.00220 - 0.00650 GPa	0.319 - 0.943 ksi	ASTM D 638
Tear Strength	14.0 - 35.0 kN/m	79.9 - 200 pli	ASTM D 624
Compression Set	11 - 40 %	11 - 40 %	ASTM D 395
	@Temperature 23.0 °C, Time 259000 sec	@Temperature 73.4 °F, Time 72.0 hour	
	30 - 50 %	30 - 50 %	
	@Temperature 70.0 °C, Time 86400 sec	@Temperature 158 °F, Time 24.0 hour	ASTM D 395
	65 - 74 %	65 - 74 %	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	No	
Hygroscopicity	Slightly	
Main Features	Good Compression-set	
Ozone Aging Resistance	Excellent	72h, 40°C, 200 ppcm, Tension = 20%
Processing	Injection Molding	
Weathering	Excellent	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China