Dryflex® A2 600601

Styrene Ethylene Butylene Styrene Block Copolymer

ELASTO

Message:

General Information

Dryflex A thermoplastic elastomer (TPE) bondable grades, primarily based on SBS and SEBS, increase freedom of design and open up a vast range of application opportunities.

It used to be a complex and costly affair producing details made of thermoplastics that showed soft-touch qualities or had integrated seals. With Dryflex A TPEs, since the materials are bonded together at the production stage, no separate primer or adhesive is needed. This makes the process faster and more cost-effective than if the two parts were assembled together after each had been produced separately, or bonded mechanically, which often requires some modification to the design.

Primarily a TPE is used as the soft component. Dryflex A bondable grades can be co-extruded or overmoulded with a variety of engineering plastics. Dryflex A grades are available in black or natural and can easily be coloured. These thermoplastic elastomers form excellent bonds onto PP, PE, PA, ABS, PC, PS, PMMA, ASA, SAN and their blends. Polyamides and ABS may be either reinforced or non-reinforced yet still bond extremely well to Dryflex. It is easy to achieve excellent bonding to PP, even using standard TPE materials, while other thermoplastics require some modification of the TPE material to optimise bonding.

Features Bondability Good Adhesion Good Chemical Resistance Good UV Resistance Appearance Natural Color Forms Pellets Processing Method Extrusion Injection Molding Physical Nominal Value Unit Durometer Hardness (Shore A, 4.00 mm) Mechanical Nominal Value Unit Tensile Strength 4.60 MPa 100% Strain 3.40 MPa 300% Strain 3.40 MPa 100% Strain 3.40 MPa 1esile Elongation (Break) Sould Aleis and Aleis Elastomers Nominal Value Unit Tear Strength 4.60 MPa 100% Strain 3.40 MPa 100	
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Tear Strength 26.0 kN/m Thermal Nominal Value Unit Service Temperature -50 to 125 °C	ASTM D638
Thermal Nominal Value Unit Service Temperature -50 to 125 °C	Test Method
Service Temperature -50 to 125 °C	ASTM D624
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Peel Force ¹ Cohesive	ASTM D903

Tests conducted on overmoulded test specimens, 2.5mm thick with a 90° peel angle

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533 Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

