Dryflex® A2 600601

Styrene Ethylene Butylene Styrene Block Copolymer

ELASTO

Message:

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.

General Information	
Features	Bondability
	Good Adhesion
	Good Chemical Resistance
	Good UV Resistance
Appearance	Natural Color
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm³	ASTM D792
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 4.00 mm)	60		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
--	4.60	MPa	
100% Strain	2.20	MPa	
300% Strain	3.40	MPa	
Tensile Elongation (Break)	550	%	ASTM D638
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tear Strength	26.0	kN/m	ASTM D624
Thermal	**Nominal Value**	**Unit**	
Service Temperature	-50 to 125	°C	
Peel Force [1]	Cohesive		ASTM D903
NOTE			

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

Recommended distributors for this material

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