Dryflex® 602700 A01

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		
Appearance	Black		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.22	g/cm³	ASTM D792
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	70		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
--	5.00	MPa	
100% Strain	4.00	MPa	
Tensile Elongation (Break)	200	%	ASTM D638
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tear Strength	30.0	kN/m	ASTM D624
Thermal	**Nominal Value**	**Unit**	
Service Temperature	-50 to 125	°C	
Peel Force	Cohesive		ASTM D903
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	220 to 230	°C	

Recommended distributors for this material

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