A highly engineered Thermoplastic Elastomer for use in demanding applications. SARLINK® X5775-04 BLK is a UV stable low hardness grade possessing exceptional tensile strength, superior compression set, chemical resistance and high temperature performance. It can be easily processed by extrusion, injection molding or blow molding for various applications such as glass run channels, waistbelts, weatherstrips, seals and other profiles and articles.

Typical properties*	**Test method**	**Typical value**	**Units S.I.**
Density	ISO 1183	974	Kg/m^3
Hardness shore A (5 sec)	ISO 868	75	
Stress/strain properties Cross direction Modulus 100% Tensile strength Elongation at break	ISO 37 (II)	 3.2 8.5 600	 MPa MPa %
Compression set 22h/70°C	ISO 815	 38	 %

* Tests are conducted on injection-molded plaques unless indicated otherwise.

SARLINK® X5775-04 BLK is a polypropylene based elastomer which can be processed on conventional thermoplastic equipment for injection molding, extrusion and blow molding. This product has a wide processing window in most applications. Melt temperatures from 185°C to 220°C can be used. Do not exceed 260°C. Drying is recommended for extrusion and blow molding (3 hours at 80°C). Drying is best accomplished in a desiccant dryer.

INJECTION MOULDING CONDITIONS		
Melt temperature		185-220°C
Barrel Temperatures	Rear Middle Front Nozzle	180-215°C 180-215°C 180-215°C 187-220°C
Mould temperature		10-55°C
Screw Speed		100-200 RPM
Back Pressure		0.1-1 MPa
Screw	General Purpose	

EXTRUSION CONDITIONS		
Melt temperature		195-215°C
Barrel Temperatures	Rear Transition Metering Front Die	180-200°C 180-205°C 187-210°C 187-210°C 195-215°C
Roll Temperature		20-50°C
Screen Pack		20 to 60 mesh
Screw	General Purpose 3:1 compression ratio	

PURGING
SARLINK® X5775-04 BLK has excellent melt stability. Empty the barrel for idle periods of 30 minutes or longer. Purge thoroughly before and after use of this product with polyethylene or polypropylene.

RECYCLING/REGRIND
This product can be reprocessed. Physical properties are generally not degraded. Dry regrind prior to reprocessing. Drying is best accomplished in a desiccant dryer.

BONDING/ASSEMBLY
Thermal bonding techniques can be used to form high strength bonds. Adhesive bonding can be achieved with specialized adhesives. Adhesive bond strength is limited due to the polypropylene base of this material.

STORAGE & HANDLING
SARLINK® X5775-04 BLK is available in 20 kg polyethylene bags (1000 kg per pallet). It has a storage life at normal temperatures of several years. Please refer to the Material Safety Data Sheet for this grade prior to first time handling.