



PRODUCT INFORMATION

NILFLEX S A85 MC001

Thermoplastic Elastomer based on SBS rubber (TPE-S), with good elasticity and softness, even at low temperature. Other important features of these Compounds are easy processability and colorability, excellent price-performance ratio and total recyclability.

ISO short Form ISO 18064: TPS-SBS Pellets

Key Features

- Designed for injection moulding applications
- High flow
- Low density

Availability

- U: UV stabilized
- All colours

Process

- INJECTION MOULDING

Application

- General purpose applications
- Wheels
- Consumer
- Seals and gaskets

Property	Method	Unit	Value	Condition	State
PHYSICAL					
Density (+23°C)	ISO 1183	g/cm ³	1,05		
Melt Flow Rate (MFR)	ISO 1133	g/10 min	50	190°C - 5 kg	
MECHANICAL					
Hardness SHORE A	ASTM D2240	Shore A	85	3 sec	
Tensile Break Strength	ASTM D412/C	MPa	6		
Elongation at Break	ASTM D412/C	%	550		
Tensile Modulus at 100% elongation	ASTM D412/C	MPa	4,0		
Tensile Modulus at 300% Elongation	ASTM D412/C	MPa	5,2		
Tear Strength	ASTM D624/C	N/mm	35		

INJECTION MOULDING

Value



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Drying Temperature (Circulating Air Oven)	80°C
Drying Time (Circulating Air Oven)	2 hours
Melt Temperature	180 - 230°C
Feed Temperature	160
Rear Temperature	190°C
Middle Temperature	200°C
Front Temperature	210°C
Nozzle Temperature	220°C
Mould Temperature	25 - 40°C
Injection Rate	MEDIUM - HIGH

Notes All NILFLEX S compounds must be stored indoors at a temperature below 40°C avoiding humidity and direct sunlight as well. Despite a longer shelf storage life without loss of properties, we recommend to use the material within 6 months from the production date.