



## **NexPrene 9055**

### **DESCRIPTION:**

NexPrene® 9055 Thermoplastic Elastomers are engineered polyolefins with elastomeric behavior designed for injection molding, extrusion, and blow molding applications where soft touch and flexibility are needed. These materials are colorable, weatherable, and may be recycled with other polyolefins.

### **APPLICATIONS:**

Contact your Solvay Engineered Polymers representative for further information.

<b>PROPERTY</b>	<b>TYPICAL VALUE</b>	<b>UNITS</b>	<b>TEST METHOD</b>
<b>PHYSICAL</b>			
Hardness 23°C, 5 sec	58	Shore A	ISO 868
Specific Gravity 23°C	0.96	g/cc	ISO 1183
<b>MECHANICAL</b>			
Tensile Strength 23°C, 500 mm/min	650 4.5	psi MPa	ISO 37
Ultimate Elongation 23°C, 500 mm/min	>300	%	ISO 37
100% Modulus 23°C, 500 mm/min	300 2.0	psi MPa	ISO 37
Tear Strength 23°C, 500 mm/min	115 20	lb/in kN/m	ISO 34-1
Compression Set 100°C, 22 hrs.	40	%	ISO 815
Oil Resistance (IRM 903) 125°C, 70 hrs.	120	% vol swell	ISO 1817

01/16/04

Properties determined on injection molded slabs, 150mm x 100 mm x 2mm

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