

A low hardness thermoplastic elastomer foaming grade designed to be used with chemical blowing agents such as Hydrocerol BIH-40-E. Sarlink® XRD8145 can be foamed to lower densities with varying blowing agent content and using specific extrusion conditions. Applications for this product would be foamed profiles for construction and automotive markets.

Typical Properties*	Test Method	S.I.		U.S.	
		Typical Value	Units	Typical Value	Units
<b>Hardness shore A</b> (5 sec)	ASTM D-2240				
Injection moulded sample	5 sec. delay	47		47	
Extruded sample	5 sec. delay	44		44	
<b>Specific gravity</b>	ASTM D-792	0.92		0.92	
<b>Stress/strain properties</b>	ASTM D-412				
<u>Flow direction</u>	Die C				
Modulus 100%		2.7	MPa	392	Psi
Tensile strength		1.6	MPa	232	Psi
Elongation at break		316	%	316	%
<u>Cross direction</u>					
Modulus 100%		4.5	MPa	653	Psi
Tensile strength		1.2	MPa	174	Psi
Elongation at break		618	%	618	%
<b>Tear strength</b>	ASTM D-624				
<u>Cross direction</u>					
Trouser		20.7	kN/m	118	Pli
<b>Compression set</b>	ASTM D-395				
22h/23°C	Method B	17	%	17	%
22h/70°C		27	%	27	%
<b>Rheology</b>	ASTM D-3835				
<u>Apparent Shear Viscosity</u>					
@ 206 1/s, 200°C		260	Pa.s	260	Pa.s

\* Tests are conducted on injection moulded plaques unless indicated otherwise.



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**PROCESSING** For detailed processing conditions, please refer to Foam Extrusion Processing Guidelines manual which may be obtained from DSM Thermoplastic Elastomers.

#### DIE DESIGN

More or less customary dies are used for foam extrusion. Please consult the Tech Service department at DSM for advice.

#### COLORING

The use of polyolefin based color concentrates is recommended.

#### PURGING

Sarlink® XRD8145 with blowing agent has good melt stability. Empty the barrel for idle periods to keep blowing agent from activating in the barrel and building excessive pressure. Purge thoroughly before and after using this product with XRD8145 without blowing agent or similar materials.

#### STORAGE & HANDLING

Sarlink® XRD8145 is available in 55 lb. foil lined bags (up to 2,200 lbs. per pallet) or 1,100 lb. polyethylene lined gaylords. 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.

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