



# TECHNICAL DATA SHEET

## PUR85A

1730 NE Miller Street  
 McMinnville, OR 97128  
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Properties	Value	Test Method	Typical Value	
			English	SI
<b>Physical</b>				
Specific Gravity	gr./cm <sup>3</sup>	ASTM D-792	1.12	1.12
Hardness	Shore A	ASTM D-2240	86A	86A
<b>Mechanical</b>				
Tensile Strength (Ultimate)	psi/MPa	ASTM D-412	4800 psi	33 MPa
Tensile Stress	@100% Elong.	ASTM D-412	1100 psi	7.6 MPa
Tensile Stress	@300% Elong.	ASTM D-412	1750 psi	12 MPa
Elongation at Break	%	ASTM D-412	640%	640%
Tensile Set at Break	%	ASTM D-412	70%	70%
Compression Set, %	22 hrs @ 23°C	ASTM D-395 (B)	25%	25%
Compression Set, %	22 hrs @ 70°C	ASTM D-395 (B)	45%	45%
E-Modulus	psi/MPa	ASTM D-412	3000 psi	20.7 MPa
Flexural Modulus	psi/MPa	ASTM D-790	4500 psi	31 MPa
Tear Strength	lb./in. N/mm	ASTM D-624, Die C	600 lb./in.	105 N/mm
Taber Abrasion Resistance / mg loss	1000 gr./H-18	ASTM D-1044	30 mg	30 mg
<b>Processing Conditions, Extrusion</b>	°F/°C		360 - 400 °F	180 - 205°C

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