



Polymers Quick Reference Guide

A Excelent : B Good : C Average : D Fair : E Poor

	Natural	Nitrile	Neoprene	Hypalon	Silicone	Poly-Urethane	EPDM	Fluro-elastomer
Hardness Range	20-90	25-90	30-85	50-95	50-80	30-95	65-80	70-75
Max. Service temperature	80c	120c	120c	140c	260c	80-120c	140c	260c
Tear resistance	A	C	B	B	E	A	C	C
Abrasion resistance	A	C	C	C	E	A	B	D
Resistence to denting	A	C	D	D	A	C	C	C
Ozone resistance	E	E	C	C	A	B	A	A
Resiliency	A	C	B	B	A	C	B	C
Load Bearing	A	B	B	B	E	A	C	C
Acids	C	D	C	C	B	D/E	A	A
Alcohols	A	A	B	B	B	B	A	D
Caustics	C	C	B	B	B	D/E	A	A
Esters	A	E	C	C	C	D/E	A	D
Hydrocarbons (Paraffinic)	E	A	C	C	D	B	E	A
Hydrocarbons (Aromatic)	E	C	D	D	C	C	D	A
Hydrocarbons (Chlorinated)	E	E	E	E	C	E	E	A
Ketones	A	D	C	C	C	E	A	E
Water	A	B	C	C	B	B	A	B
Abrasive Polishing	*		*			*		
Agricultral	*					*		
Conveyors	*	*	*	*	*	*	*	*
Food industry	*	*	*	*	*	*	*	*
Laminating		*	*	*	*	*	*	*
Mining/quarry	*		*					
Paper & Packaging	*	*	*	*	*	*		
Plastics		*		*	*	*		
Pharmaceuticals		*						
Steel mills rollers	*	*	*	*		*	*	
Textile Rollers	*	*	*	*		*	*	
Wood Industry	*	*	*	*	*	*	*	

Average results shown - specialized polymers available under each heading